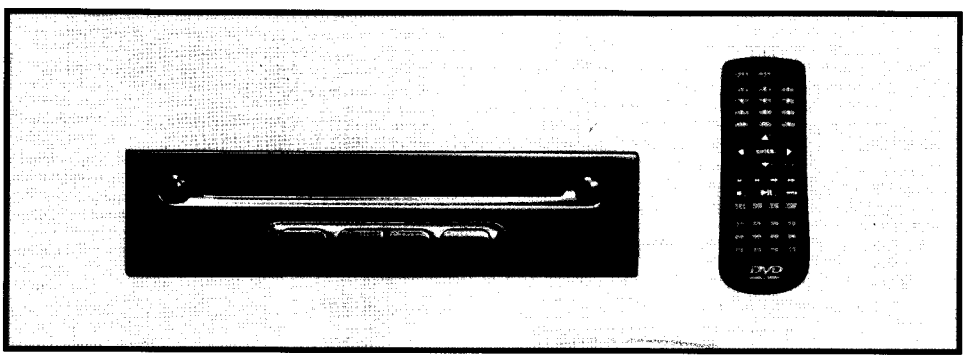
# USER'S MANUAL

## COMPACT DVD PLAYER

## DV-3300 / 3300F



## IMPORTANT

The lighting flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

CAUTION: TO PREVENT THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing instructions in the literature accompanying the appliance.**

**Note :** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### CAUTION

This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To present electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

### CAUTION

- Use of controls or adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.
- The use of Optical instruments with this product will increase eye hazard

WARNING TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

### CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers.
Refer all servicing to qualified personnel.

The following caution appears on rear of the unit.

CLASS 1 LASER PRODUCT
CAUTION : VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM

| | |
|---|---|
| **CAUTION** | : LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. |
| **VORSICHT** | : SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG. WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSETZEN. |
| **ADVARSEL** | : LASERSTRÅLING VED ÅBNING UNDGÅ UDSÆ TTEL SE FOR STRÅLING. |
| **VARNING** | : LASERSTRÅL NING NÄR DENNA DEL ÄR ÖPPNAD BETRAKTA EJ STRÅLEN. |
| **VAROI** | : AVATTAESSA ALTISTUT LASERSÄTBL YLLE ÄLÄ KATSO SÄTEESEN |

CAUTION VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM (WARNING LOCATION: INSIDE ON LASER COVER SHIELD)

CE This product is in conformity with the EMC directive and low-voltage directive.

This product incorporates copyright protection technology that is protected by method claims of certain U. S .Patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorised by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorised by Macrovision corporation. Reverse engineering or disassembly is prohibited.

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

"DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc.





- **READ INSTRUCTIONS -** All the safety and operating instructions should be read before the product is operated.
- **RETAIN INSTRUCTIONS -** The safety and operating instructions should be retained for future reference.
- **HEED WARNINGS -** All warnings on the product and in the operating instructions should be adhered to.
- **FOLLOW INSTRUCTIONS -** All operating and use instructions should be followed.
- **CLEANING -** Unplug this product from the wall outlet before cleaning. The product should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzene sectcides or other volatile liquids as they may corrode the cabinet.
- **ATTACHMENTS -** Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- **WATER AND MOISTURE -** Do not use this product near water - for example, near a bathtub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- **ACCESSORIES -** Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- **CART -** A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

- **VENTILATION -** Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- **POWER SOURCES -** This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
- **LOCATION -** he appliance should be installed in a stable location.
- **NONUSE PERIODS -** The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
- **GROUNDING OR POLARISATION**
  - If this product is equipped with a polarised alternating current line plug (a plug having one blade wider than the other), it will fit into the outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. if the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarised plug.
  - If this product is equipped with a three-wire grounding type plug, a plug having a third (grounding) pin, it will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.
- **POWER-CORD PROTECTION -** Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
- **OUTDOOR ANTENNA GROUNDING -** If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.
- **LIGHTNING -** For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- **POWER LINES -** An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- **OVERLOADING -** Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in risk of fire or electric shock.
- **OBJECT AND LIQUID ENTRY -** Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- **SERVICING -** Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- **DAMAGE REQUIRING SERVICE -** Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - When the power-supply cord or plug is damaged.
  - If liquid has been spilled, or objects have fallen into the product.
  - If the product has been exposed to rain or water.
  - If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
  - If the product has been dropped or damaged in any way.
  - When the product exhibits a distinct change in performance - this indicates a need for service.
- **REPLACEMENT PARTS -** When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorised substitutions may result in fire, electric shock, or other hazards.
- **SAFETY CHECK -** Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- **WALL OR CEILING MOUNTING -** The product should not be mounted to a wall or ceiling.
- **HEAT -** The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

**Warning**

*Watch out for using your Mobile DVD Player while driving (Watching TV while driving is prohibited)*

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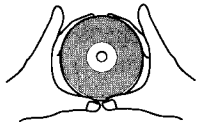
## Cautions on handling discs

### Playing Discs

Only discs displaying the mark shown on page 9 can be played on the DVD player. Note, however, that discs with special shapes(heart-shaped discs, hexagonal discs, irregular discs, etc.) cannot be played on the DVD player. Do not attempt to play such discs, as they may damage the player.

### Holding Discs

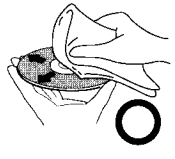
Avoid touching the surface of discs when loading and unloading them.



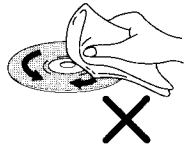
Be careful not to get fingerprints on the signal surface (the side which shines in rainbow colours.)

### Cleaning Discs

- Fingerprints or dirt on the disc may lower sound and picture quality or cause breaks in playback. Wipe off fingerprints or dirt.
- Use a commercially available disc cleaning set or a soft cloth to wipe off fingerprints or dirt.



Wipe gently from the middle outwards



Do not wipe with a circular motion

Note

*- Do not use record spray or antistatic. Also, do not use volatile chemicals such as benzene or thinner*

### Caution on handling discs

- Do not get fingerprints, grease or dirt on discs.
- Be especially careful not to scratch discs when removing them from their cases.
- Do not bend discs.
- Do not heat discs.
- Do not enlarge the center hole.
- Do not write on the labeled (printed) side with a ball-point pen or pencil.
- Water droplets may form on the surface if the disc is moved suddenly from a cold place to a warm one. Do not use a hairdryer, etc. to dry the disc.

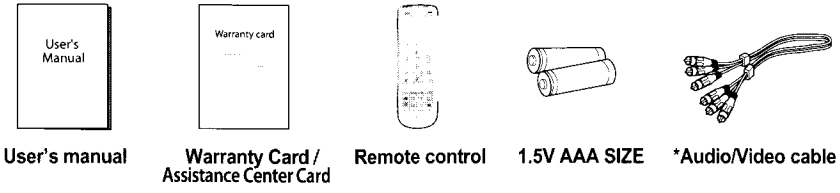
### Caution on loading discs

- Only load one disc at a time. Loading one disc on top of another may result in damage or scratch the discs.
- Do not load cracked or warped discs or discs that have been fixed with adhesive, etc.
- Do not use discs on which the adhesive part of cellophane tape or glue used to attach the label is exposed, or discs with traces of tape or labels that have been peeled, or discs with traces of tape or label that have been peeled off. Such discs may get stuck inside the player, resulting in damage.

## What's in the box

Thank you for buying this product. Please confirm that the following accessories are in the box when you open it.

### Accessories




User's manual | Warranty Card / Assistance Center Card | Remote control | 1.5V AAA SIZE | *Audio/Video cable

*External A/V Input Cable | *DC cable | *Cigar cable | *IR module | *Bracket and screws

*Optional

Warning : DC cable must be connected to ACC power line

## Preparing the Remote Control

Insert the batteries into the remote control so you can use it to operate the DVD player

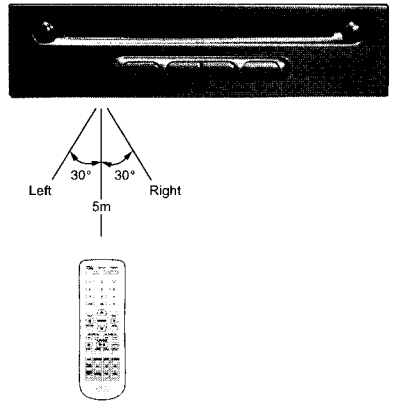
1. Open the battery cover.
2. Insert batteries. (AAA size)
   - Make sure to match the + and - on the batteries to the marks inside the battery compartment.
3. Close the cover.

**Warning**

- *Improper use of batteries may cause battery leakage and corrosion.*
- *To operate the remote control correctly, follow the instructions.*
- *Don't insert the batteries into the remote control in the wrong direction.*
- *Don't charge, heat, open, or short-circuit the batteries.*
- *Don't throw the batteries into fire.*
- *Don't leave dead or exhausted batteries in the remote control.*
- *Don't use different types of batteries together, or mix old and new batteries.*
- *If you do not use the remote control for a long period of time, remove the batteries to avoid possible damage from battery corrosion.*
- *If the remote control does not function correctly or if the operating range becomes reduced, replace all batteries with new ones.*
- *If battery leakage occurs, wipe the battery liquid from the battery compartment, then insert new batteries.*
- *The batteries should last about one year with normal use.*

## Using the remote control

The effective operating range of the remote control is 5~7m, and 30 left and right degrees from the IR receiver.




**Note**

- *Direct the remote control at the IR receiver of the DVD player.*
- *DO NOT drop or give the remote control a shock.*
- *DO NOT leave the remote control near extremely heat or humidity.*
- *DO NOT spill water or put anything wet on the remote control.*
- *DO NOT open the remote control.*

## Compatible Discs

The types of discs listed on the table below can be used in the DVD player. The marks are indicated on the disc labels or jackets.

### Digital Video Discs

- Single sided or double sided discs.
- Single layer or dual layer discs.
- Dolby Digital, DTS, MPEG or Linear PCM digital audio.
- MPEG-2 Digital Video Discs are generally divided into one or more titles. Titles may be further subdivided into chapters.

### DVD-R, DVD-RW, DVD+R, DVD+RW

- This unit can play DVD-R/ RW/ +R/ +RW discs recorded in DVD video format.

### Audio CD, CD-R, CD-RW

- 12cm or 8cm discs.
- Linear PCM digital audio
- CD-Audio, CD-R and CD-RW formatted CDs are divided into tracks. (This unit can play CD-R and CD-RW discs recorded on CD Audio or with MP3 audio files)

### Picture CD

- Picture 12cm discs





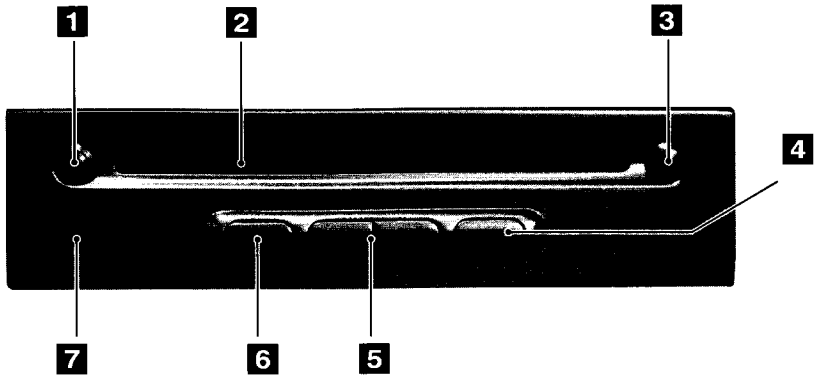
### MP3 compatibility information

- The CD-ROM must be ISO 9660 compatible.
- Mono or stereo MPEG-1 Audio Layer 3 format, 32 or 44.1 or 48kHz fixed bit-rate. Incompatible files will not play.
- Compatible with variable bit-rate (VBR) files.
- This player is compatible with multi-session discs.
- Audio encoded at 128Kbps should sound close to regular audio CD quality. Although this player will play 48K to 320k bit-rate.
- MP3 tracks, the sound quality becomes noticeably worse at lower bit rates.

### Region code

Your DVD player is designed and manufactured to respond to the region management information that is recorded on a DVD.
All DVD's discs carry a region mark on the case somewhere that indicates which region of the world the disc is compatible with. Your DVD player also has a region mark, which you can find on the rear panel. Discs from incompatible regions will not play in this player. Discs marked ALL will play in any player.

## Front Panel Control




**1 POWER**
Turns the power on/off.

**2 DISC IN / OUT HOLE**
Discs are inserted and ejected here.

**3 EJECT**
Press EJECT to eject the discs.

**4 PLAY/PAUSE**
Starts disc play and pause

**5 SKIP Forward/Reverse**
Plays skip forward/reverse.

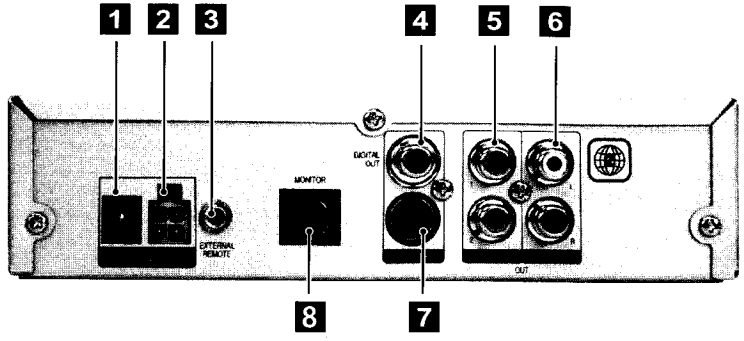
**6 MUTE**
Turns the audio outputs on/off.

**7 STEREO JACK FOR CAR PACK / AV IN**
Plug-in car pack jack for stereo audio output.
Plug-in video and stereo audio input.





## Rear Panel




**1 DC INPUT**
Use the cigarette cable adaptor to connect to the cigarette jack.
Use the AC adapter to connect the AC Power. (optional)

**2 DC OUTPUT**
Use the DC cable to connect the only 12V battery

**3 EXTERNAL REMOTE CONNECTOR**
Use the external remote control to connect the IR module

**4 DIGITAL AUDIO OUT (Coaxial)**
Use the coaxial digital cable to connect to a compatible Dolby Digital receiver

**5 VIDEO OUT**
Use a video cable to connect one of these jacks to the video input on your TV.

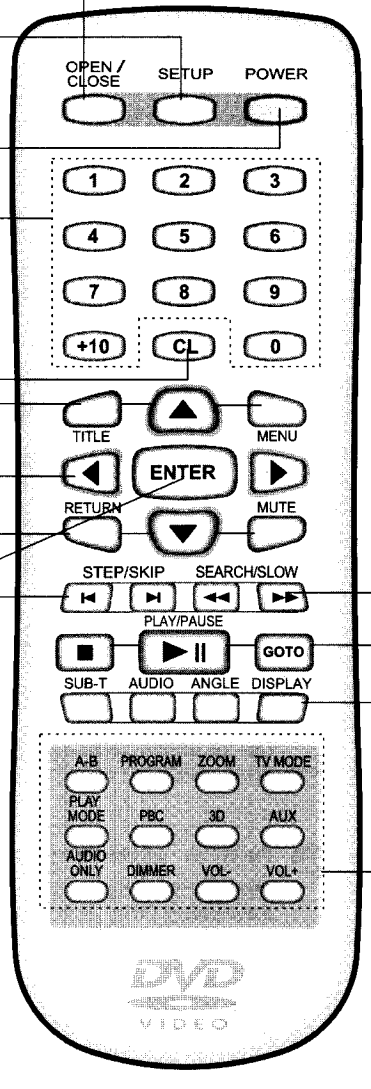
**6 AUDIO OUT (L/R)**
Connect to the audio input jacks of your TV, audio/video receiver

**7 S-VIDEO OUT**
Use the S-VIDEO cable to connect this jack to the S-VIDEO.

**8 MONITOR OUT**

Control & Display

## Remote Control




**1 OPEN / CLOSE**
Ejects the disc

**2 SETUP**
Use to set various functions according to individual preference

**3 POWER**
Turns on or off the DVD player.

**4 NUMBER**
Press the number button. Use the +10 button to input numbers of 10 or over.

**5 CL(CLEAR)**
Press this to clear numbers that you have input.

**6 TITLE**
Use the TITLE button to display the title screen included on DVD discs.

**7 ARROW BUTTONS**
Use to move to the desired menu.

**8 MENU**
Use the MENU button to display the menu screen included on a DVD discs.

**9 ENTER**
Selects menu items and begins disc play.

**10 RETURN**
Use the RETURN button to return to the previous menu screen.

**11 MUTE**
Turns on/off audio outputs.

**12 STEP**
Play one frame at a time during pause.

**SKIP**
Select previous or next track, title, chapter or index, or select the beginning of current track, title, chapter or index.

**13 SEARCH**
Press for fast reverse scanning during playback.
Press for fast forward scanning during playback.

**SLOW MOTION**
Press for slow reverse scanning during pause.
Press for slow forward scanning during pause

**14 STOP**
Stop video playback in DVD and Video CD mode.

**15 PLAY/PAUSE**
Play or pause video and audio media.

**16 GO TO**
Used to go to the chapter, track or song on the disc you want

**17 SUB-T**
Changes the subtitle language to another available language or sets OFF (if the disc supports multiple subtitle languages).

**18 AUDIO**
Changes the audio language to another available language (if the disc supports multiple audio languages).

**19 DISPLAY**
Shows the information about time and play state.

**20 ANGLE**
View with a different frame angle. (This button is available only on multiple angle DVDs.)

**22 A-B**
Repeating a specific section.

**21 PROGRAM**
Programs the desired titles and tracks of DVD and CD-DA.

**23 ZOOM**
Press this to enlarge the image.

**24 TV MODE**
Changes the NTSC/PAL/MULTI mode.

**25 PLAY MODE**
Repeats part or all of a chapter, title, track, or an entire disc

**26 3D**
Virtual 3D Sound Control

**27 AUX**
Changes the DVD mode and external A/V input mode

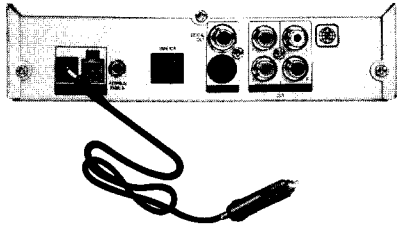
**28 AUDIO ONLY**
Turns off the screen for audio only mode

**29 DIMMER**
Set the display brightness (HALF, FULL, OFF).

**30 VOL+/VOL -**
Increases and decreases the volume.

## Power Connections

1 When using the Cigarette cable adaptor supplied.
- Make sure that input voltage is only 12V
- Connect to DC INPUT.



2 When connecting the DC power cable.
- DC cable - This installation should be made by a qualified service person and should confirm to all local codes.
- Connect the terminal of red cable to DC only 12V, and the terminal of black cable to ground.

3 When using the DVD player at home
- Connect to DC INPUT using an AC adapter. *(optional)

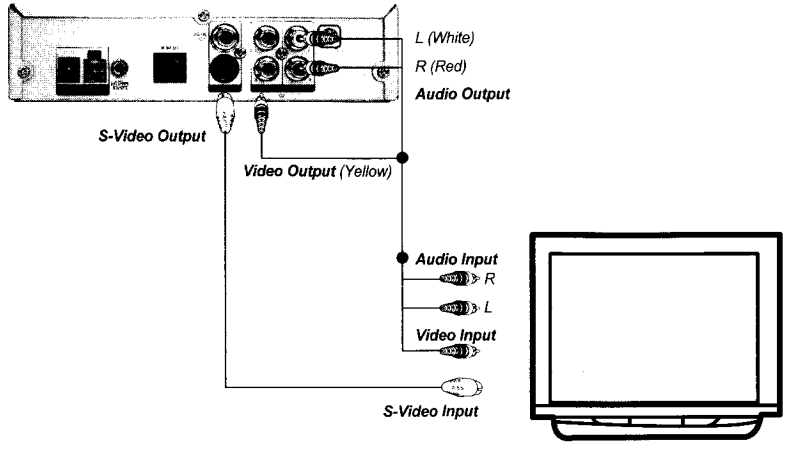
**Note**

*- When you connect the DVD player to your TV, be sure to turn off the power and unplug both units from the wall outlet before making any connections.*
*- Connect the DVD player to your TV directly. If you connect the DVD player to a VCR, the playback picture will be distorted because DVD's video discs are copy protected.*
*- Fuse Replacement Marking - Replace only with same type (3 A, 250 V) and ratings of fuse for continued protection against fire hazard.*





## Connecting to a TV




### Connect the DVD player to your TV.

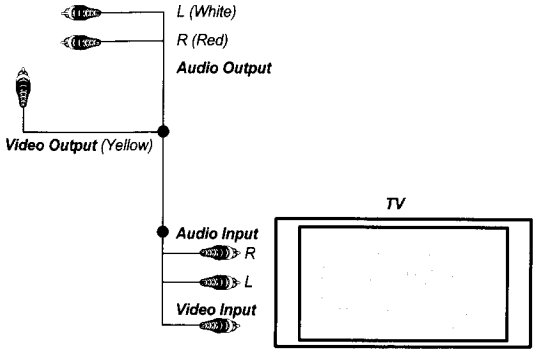
1 Connect the AUDIO CABLES between the AUDIO OUT L and R jacks on the back of your DVD player and the corresponding AUDIO INPUT jacks on your TV.

2 Connect the VIDEO CABLE between the VIDEO OUT jack on the back of your DVD player and the corresponding VIDEO INPUT jack on your TV. (have a S-VIDEO jack on your TV, connect to the S-VIDEO jack on your player.

**Warning**

*- Do not set the Digital Audio Output of this DVD player to "SPDIF/PCM" unless you are connecting the DIGITAL AUDIO jack of this DVD player to an AV decoder that has Dolby Digital decoding function. High volume sound may damage your hearing as well as speakers.*

## Connecting to a Car Audio System




### Connecting to a Car Audio System.

1 Connect the AUDIO CABLES between the AUDIO OUT L and R jacks on the back of your DVD player and the corresponding AUDIO INPUT jacks on your audio system.

2 Connect the VIDEO CABLE between the VIDEO OUT jack on the back of your DVD player and the corresponding VIDEO INPUT jack on your TV.

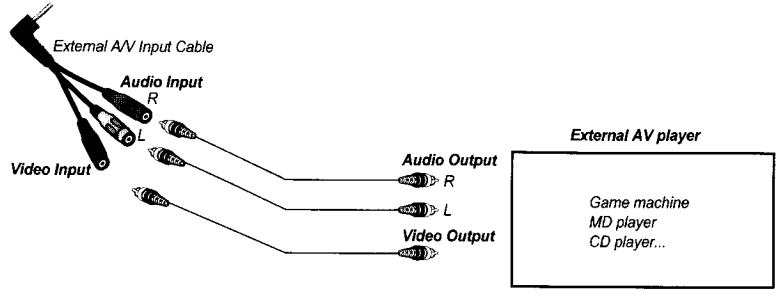
**Note**

*- When you connect the DVD player to other equipment, be sure to turn off the power and unplug all of the equipment from the power source before making any connections.*
*- If you place the DVD player near a tuner or radio, the radio broadcast sound might be distorted. In this case, move the DVD player away from the tuner and radio.*
*- Be sure to adjust the receiver's volume to a moderate listening level, otherwise, the speakers may be damaged by a sudden high volume sound.*
*- Turn off the receiver before you connect or disconnect the DVD player's power cord. If you leave the receiver power on the speakers may be damaged.*





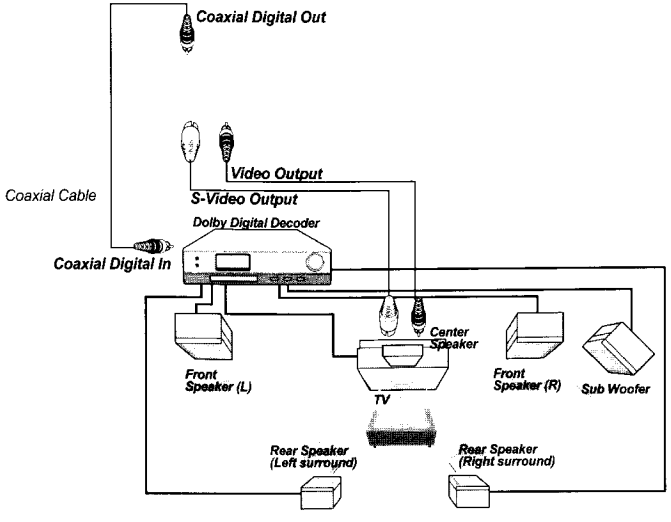
## Connecting External A/V Input




### Connecting External A/V Input

1 This function allows you to connect your other A/V equipment (Game machine, etc...) to the monitor and car audio system. Connect the A/V input cable to your DVD player's AUDIO OUT/AV IN socket then the DVD player changes to external A/V input mode. If your A/V equipment has only audio signals you cannot change to an external A/V input mode. You can change the mode via the remote control AUX key.

## Connecting to a Dolby Digital System




### Dolby Digital

Dolby Digital is the surround sound technology used in theaters showing the latest movies, and is now available to reproduce this realistic effect in the home. You can enjoy motion picture and live concert DVD with this dynamic realistic sound by connecting the DVD player to a 6 channel receiver equipped with a Dolby Digital decoder or Dolby Digital processor.

1. Connect the COAXIAL DIGITAL OUT (black) jack on the back of your DVD player to the DIGITAL IN jack of the Decoder or AV amplifier.
2. Refer to pages 17-18 for details on video connection to TV

**Note**

*- When you connect the DVD player to other equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before making any connections.*
*- Turn off the receiver before you connect or disconnect the DVD player's power cord. If you leave the receiver power on, the speakers may be damaged.*





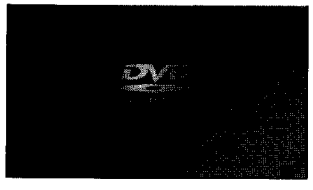
## Playing DVD's

### Before Playing your DVD

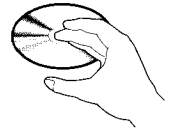
Ensure that your DVD player is connected correctly to the TV and audio system, which are output components. Turn on the power of the TV and audio system. Ensure that the local code of the DVD player is matched to that of the disc. If not matched, your disc cannot be played (refer to page 9)

### To Play a DVD

1. Press the POWER ( POWER )button.



2. Insert the DVD. Ensure that the labeled surface (not the surface where data is recorded) is at the top when placing it.



3. Your DVD will be automatically played depending on the current program mode.
   1) The Disc menu is displayed on the screen. Select the desired menu using the arrow ( ) buttons or NUMBER buttons and press the ENTER button to play your DVD.

| TOP MENU | |
|---|---|
| PLAY MOVIE | SCENE A |
| SCENE B | SCENE C |

## Basic Playback Controls

PLAY/PAUSE( ) : Starts playback or pause on a disc that's playing
(press again to restart playback)
STOP( ): Stop playback
FR( ): Press for fast backward searching.
FF( ): Press for fast forward searching
PREV( ): Skip to the previous chapter.
NEXT( ): Skip to the next chapter.

## Basic Disc Menu Controls

Some DVD's contain menus. Sometimes these are displayed automatically when you start playback; others only appear when you press MENU or Title remote control.

TITLE ( )button: Displays the top menu of a DVD disc
MENU ( )button: Displays a DVD menu - this varies with the disc and may be the same as the top menu.
RETURN ( )button: Returns to the previously displayed menu screen.
Arrow( ) button: Move the cursor around the screen.
ENTER ( )button: Selects the current menu option.
Number button: Selects a numbered menu option

**Note**

- *Don't move the DVD player during playback, doing so may damage the disc and the DVD player.*
- *When "∅" appears on the TV screen while a button is pressed, it means that this function is not available on the disc you are playing.*
- *Depending on the DVD, some operations may be different or restricted. Refer to the jacket or case of disc you are playing.*



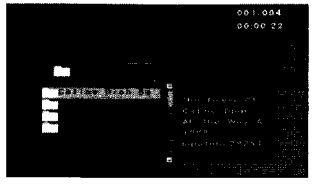


# Playing MP3 Discs

## To Play a MP3 File

1 Insert the MP3 disc. Make sure that the disc's label is facing up.

2 MP3 menu screen is displayed automatically depending on MP3 disc's folder (directory) structure



3 Using the UP( ) or DOWN( ) button to find the desired folder

4 Press the ENTER( ) button to select. The TV screen shows the file lists under the folder.

5 Press the PROGRAM ( ) button repeatedly. Each time you press, the PROGRAM mode will be changed repeatedly. (Folder and Filelist)

Note

- *The file name is only displayed in English.*
- *This DVD player is compatible with the "MPEG-1 Audio Layer 3" standard. It is not compatible with other standards, such as "MPEG-2 Audio Layer 3", "MPEG-2.5 Audio Layer 3", MP1, MP2, etc.*
- *Do not play CD-R/RW discs containing any files other than music CD files, MP3 and JPEG files.*
- *Programmed playback is not possible with MP3 discs.*
- *When writing MP3 files on CD-R/RW discs, select "ISO9660 level 1" as the writing software format.*

## Playing Kodak picture CD and JPEG file play

When a Kodak Picture CD is inserted, an automated slide show is launched. When a JPEG file is loaded the table of contents is displayed on TV screen. 16 slideshow transition modes are provided. Use the PROGRAM button to switch to the slideshow transition mode.

*(Wipe Top -> Wipe Bottom -> Wipe Left -> Wipe Right -> Diagonal Wipe Left Top -> Diagonal Wipe Right Top -> Diagonal Wipe Left Bottom -> Diagonal Wipe Right Bottom -> Extend from Center H -> Extend from Center V -> Compress to Center H -> Compress to Center V -> Window H -> Window V -> Wipe from Edge to Center -> Move in from Top -> None)*

1 Select the picture:
Select the picture, you want to see, by pressing the UP( ▲ ) or DOWN( ▼ ) button.
The selected item is displayed as a small size picture on the right side of File Menu Screen.

2 Image rotation
There are 4 modes to rotate a picture: Left, Right, Invert, Mirror
- UP( ▲ ) button : invert
- DOWN( ▼ ) button : mirror
- LEFT( ◀ ) button : Turn left
- RIGHT( ▶ ) button : Turn right

3 Each time the ZOOM button is pressed during playback, zoom 125 -> 150 -> 200 -> 50 -> 75 -> zoom off is selected repeatedly
- UP( ▲ ) button : Moving up the zooming picture
- DOWN( ▼ ) button : Moving down the zooming picture
- LEFT( ◀ ) button : Moving left the zooming picture
- RIGHT( ▶ ) button : Moving right the zooming picture





## Fast Forward / Reverse

Use this function to play the DISC contents in fast forward or fast reverse. During searching, audio will be muted (except CD-DA).

1 Press the FR ( ◀◀ ) or FF ( ▶▶ ) button during disc play.

◀◀ x 2 → ◀◀ x 4 → ◀◀ x 8 → ◀◀ x 16 → ◀◀ x 32

▶▶ x 2 → ▶▶ x 4 → ▶▶ x 8 → ▶▶ x 16 → ▶▶ x 32

2 Press the PLAY/PAUSE ( ▶II ) button to resume normal playback.

## Skip Forward / Reverse

Use this function to move to the next or previous chapter for DVD and CD-DA.

1 Press the PREV ( I◀ ) button to go to the previous chapter or track.

2 Press the NEXT ( ▶I ) button to go to the next chapter or track.

Note

- *This function will not operate if there is only one chapter on the disc.*

## Slow Forward / Reverse

Use this function to play the DISC contents in slow forward or slow reverse. During searching, audio will be muted.

1 Press the PLAY/PAUSE ( ) button during play mode.

2 Press the ( ) or ( ) repeatedly.

◀I 1/2 ➡ ◀I 1/4 ➡ ◀I 1/8 ➡ ◀I 1/16

I▶1/2 ➡ I▶1/4 ➡ I▶1/8 ➡ I▶ 1/16

3 Press the PLAY/PAUSE ( ) button to resume normal playback.

## Frame-by-Frame Playback

1 Press the PLAY/PAUSE ( ) button during play mode.

2 Press the ( ) button repeatedly.
Each time you press, one frame forward is displayed at a time.

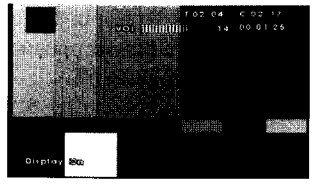
3 Press the ( ) button repeatedly.
Each time you press, one frame backward is displayed at a time.

4 Press the PLAY/PAUSE ( ) button to resume normal playback.

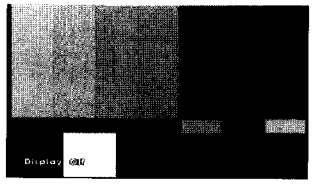
## OSD (On-Screen Display)

You can display the playback status on the TV screen as follows ; Title, Chapter number, Playing time, Disc.

1 Press the DISPLAY ( ) button during playback
- Disc, Chapter(DVD), Track(CD-DA), Time information appears on screen.



2 To turn off the OSD, press the DISPLAY ( ) button



## Selecting Audio Language

It is possible to change the audio soundtrack language to a different language from the one selected at the initial settings. This operation works only with discs on which multiple audio soundtrack languages are recorded. If the loaded disc supports multiple languages, you can select the audio language.

1 Press the AUDIO ( )button repeatedly during playback. Each time you press the audio button, the language is changed

**Audio 1/2 : Dolby Digital 5.1CH** (English)

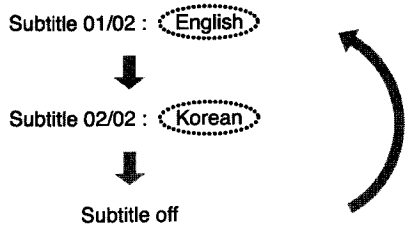
⇓

**Audio 2/2 : Dolby Digital 5.1CH** (Japanese)

## Selecting Subtitles

It is possible to change the subtitle language to a different language from the one selected at the initial settings. This operation works only with discs on which multiple subtitle languages are recorded.

1 Press the SUB-T ( ) button during disc play.
The subtitle info banner appears.
The default is Subtitle off.
If no subtitles are recorded, the (⊘) icon will appear.




2 Press the SUB-T ( ) button repeatedly until the desired subtitle language is displayed.

3 To turn the subtitles off, press the SUB-T ( ) button until Subtitle off is displayed.

Note

*This function is disc dependent. There are some DVD's that prevent selecting subtitle even if it supports multiple subtitles. In this case, the subtitle should be selected via the disc menu.*

## Repeating a Title, Chapter (DVD), Track (CD-DA)

You can play the desired title, chapter, section repeatedly.

1 Press the PLAY MODE ( ) button during disc play.
- Each press of the PLAY MODE button changes the repeat mode in the following sequence.

DVD Chapter ➡ Title ➡ All ➡ Repeat Off

CD-DA Track ➡ All ➡ Random ➡ Repeat Off

MP3 Single ➡ All ➡ Random ➡ Repeat Off

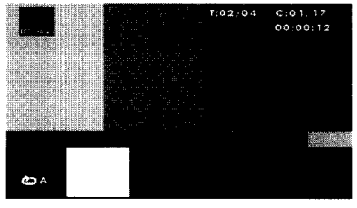
2 To resume normal playback, press the PLAY MODE ( ) button repeatedly until the repeat mode indicator disappears on screen.

Note

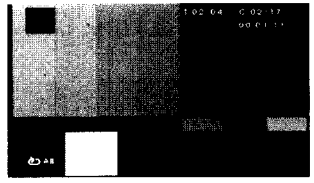
*With some DVD's, there may be times when repeat playback is not possible.*

## Repeating a Specific Section (A-B)

1 During playback, press the A-B ( ) button at the beginning of the desired section.



2 Press the A-B ( ) button again at the end of the section. "AB" will be displayed on the screen then the A-B section is continually repeated.



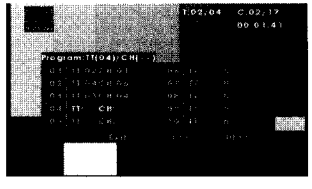
3 To resume normal playback, press the A-B ( ) button repeatedly until the repeat mode indicator disappears on screen.

## Program play

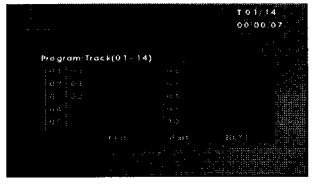
This function is used to play the Title, Chapter and Tracks on the disc in the order you program.

1 Press the PROGRAM ( ) button on the remote control.
Program menu is displayed on screen.

2 Select the Title, Chapter (DVD) and Track NO. (CD-DA) is displayed on the TV screen.



DVD



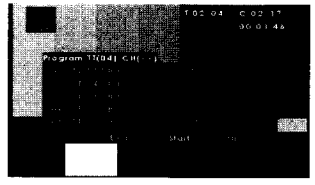
CD-DA

3 Select other NO. to program. You can add desired racks up to 20 programs
Repeat step 2 until the programming is finished.

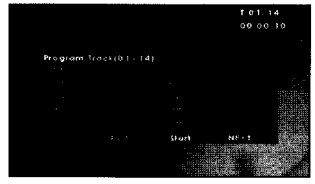




4 Using the UP ( ) or DOWN( ) button to select "Start", play now begins in the programmed sequence.

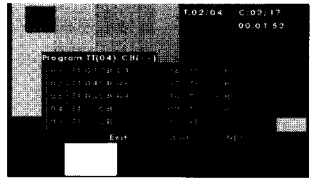


DVD

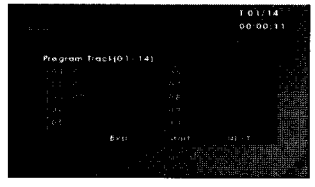


CD-DA

5 Stop all the programmed title, chapter and tracks. Using the UP( ) or DOWN( ) button to select "Exit".



DVD



CD-DA

## Zooming a Picture

1 Press the ZOOM ( )button during playback.

2 Each press of the ZOOM ( ) button changes the zoom mode in the following sequence.

2 → 3 → 4 → 1/2 → 1/3 → 1/4 → NORMAL

3 If you press the direction button during the ZOOM mode, the ZOOM point will shift.

4 To resume normal playback, press ZOOM ( )button repeatedly until the repeat mode indicator disappears on screen.

## Switching the Camera Angle

Some DVDs contain scenes that have been shot simultaneously from multiple angles.

1. Press the ANGLE ( )button on the remote control during disc play. The ANGLE icon appears. If no additional camera angle are recorded, the( ⊘ ) icon will be displayed.

2. If multiple camera angles are recorded, the ANGLE icon displays the current angle number and the number of angles available.

3. Press the ANGLE ( )button again to go to the next camera angle.

**Note**

*This feature does not work if a DVD has not been recorded with multiple camera angles.*

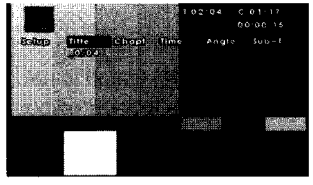


## Direct Search (GO TO)

This function is used to go to the Chapter, Track or Song of the disc you want.

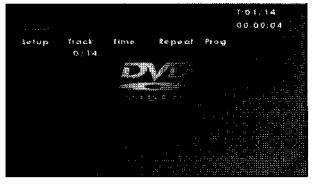
### DVD

1. Press the GOTO ( )button during playback.
2. Select "Chapt" and press DOWN ( ) button.
3. Enter the title number using the numeric button.



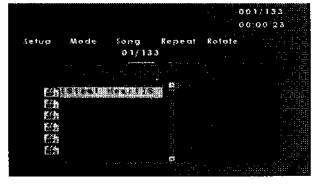
### CD-DA

1. Press the GOTO ( )button during playback.
2. Select "Track" and press the DOWN ( ) button.
3. Enter the Track number using the numeric button.



### MP3

1. Press the GOTO ( )button during playback.
2. Select "Song" and press the DOWN ( ) button.
3. Enter the Song number using the numeric button.



Using the Setup Menu

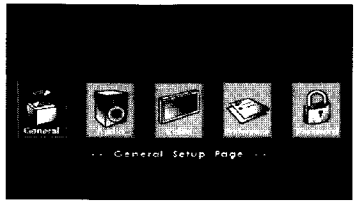
Once the initial settings have been completed, the player can always be operated under the same conditions whenever the power is switched on. These settings are called SETUP data, and are easily modified and stored using the SETUP menu. The SETUP menu includes the information for GENERAL, VIDEO, AUDIO and PREFERENCES system controls.

## Basic Operations

Press SETUP (SETUP)button during stop mode and use the ARROW ( ) button and ENTER (ENTER) button to navigate and select options. The current setting for any option is marked with a coloured box.

1 Press the STOP ( ■ ) button, if the disc is being played.

2 To call the SETUP menu, press the SETUP (SETUP) button.




3 Use the LEFT( ◀ ) or RIGHT( ▶ ) button to find desired items.

4 To turn off the SETUP menu, press the SETUP (SETUP) button again.

Note

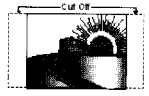
*Depending on the disc, some setup menu selections may not work properly.*

## General Setup

1 **TV DISPLAY**

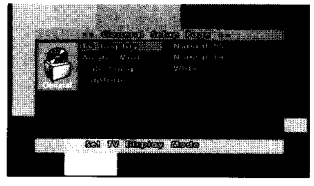
You can select a TV screen aspect ratio according to your TV.
If the TV on which the movie is played is of 'WIDE' type, choose "WIDE". If it is of "4:3" type, choose NORMAL/PS(Pan & Scan) or NORMAL/LB(Letter Box).

NORMAL/PS : Choose this setting if you want the movie to fill the entire screen of your TV. This might mean that the left and right edges won't be seen.



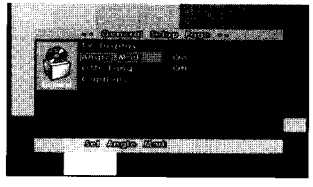
NORMAL/LB : Choose this setting if you want to see movies in their original aspect ratio. The movie might appear with black bars at top and bottom of the screen.

WIDE : Choose this setting if your DVD player is connected to a wide screen TV.



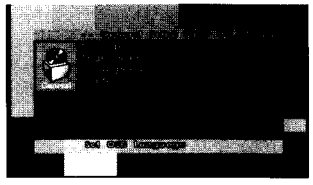
2 **ANGLE MARK**

You can set up so that the angle mark appears on scenes.

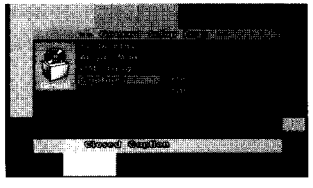


On: When selected, the screen will show angle mark during disc play.
Off: When selected, no angle mark is shown on the screen.

3 **OSD language**
Use this option to set the OSD language.
When selected, change to set the on-screen display language.



4 **CAPTIONS**
Adjusts caption selections.



On: Choose this setting to display captions.
Off: Choose this setting to close captions.

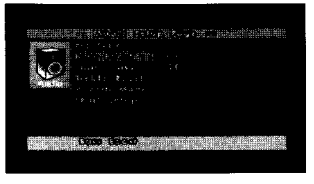




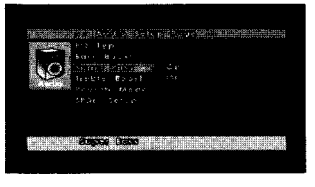
## Audio Setup

1 **EQ Type**
This unit can produce a 3D surround effect, using 3D Surround Sound technology.
Choose the desired preset equalizer mode.
(Rock, Pop, Live, Dance, Techno, Classic, Soft)

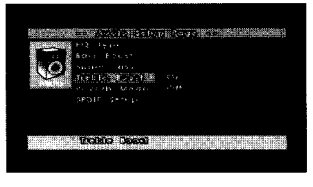
2 **BASS BOOST**
This is enhanced at all levels without distorting other frequencies.



3 **SUPER BASS**
This is enhanced at all levels without distorting other frequencies.

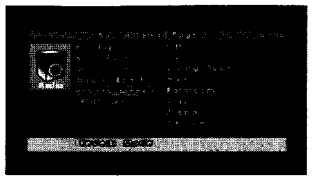


4 **TREBLE BOOST**
This is enhanced at all levels without distorting other frequencies.



5 **REVERB MODE**

To enjoy various surround sound, features when you can select and desired sound effect. (Concert, Living Room, Hall, Bathroom, Cave, Arena, Church)



6 **SPDIF SETUP**

To connect the unit's digital output to an external device equipped with a digital input, this item must be set correctly.

1) SPDIF OFF
2) SPDIF / RAW : Output Dolby Digital (or DTS) Bitstream directly. If you connected this unit's DIGITAL OUT jack to a Dolby Digital decoder (or an amplifier or other equipment with a Dolby Digital decoder).
3) SPDIF / PCM : Output Decoded Dolby Digital (or DTS) Bitstreem. Select when connected to a 2ch digital stereo amplifier. This unit outputs sounds in the PCM 2ch format when you play a DVD video disc recorded on the Dolby Digital, MPEG1, or MPEG2 recording system.

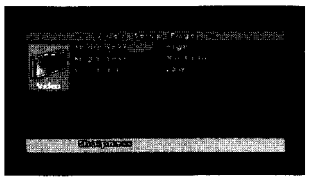




## Video Setup

1 **SHARPNESS**

Adjusts the sharpness of the image.
Press the ENTER(ENTER) button to select the adjust mode, then use the UP( ▲ ) or DOWN( ▼ ) buttons to select the image quality adjustment item.



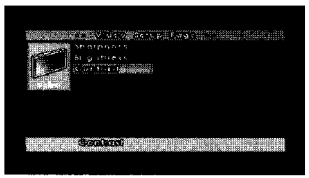
2 **BRIGHTNESS**

1) Adjusts the picture's brightness.

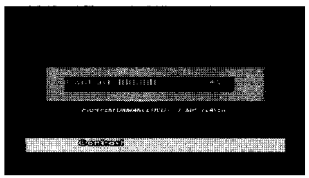
2) Press the ENTER (ENTER) button to select the adjust mode, then use the LEFT( ◀ ) or RIGHT( ▶ ) buttons to select the image quality adjustment item.

3 **CONTRAST**

1) Adjusts the contrast of the picture.



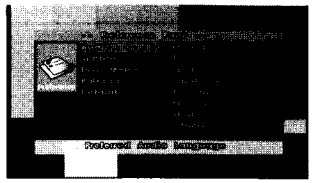
2) Press the ENTER (ENTER) button to select the adjust mode, then use the LEFT( ◀ ) or RIGHT( ▶ ) buttons to select the image quality adjustment item.



## Preference Setup

### 1 AUDIO

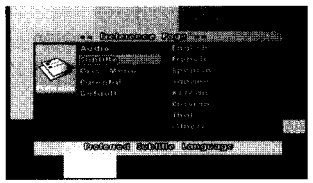
Use the audio language menu to select the subtitle language that you prefer. If the disc you are playing has that language available, it will display subtitles in that language.



1) Press the SETUP (SETUP) button during stop mode
2) Press the LEFT/RIGHT (◀▶) button to move to Preference.
3) Press the UP/DOWN ( ▲▼ ) button to move to Audio.
4) Press the ENTER (ENTER) button.
5) Press the UP/DOWN ( ▲▼ ) button to select desired audio language.

### 2 SUBTITLE

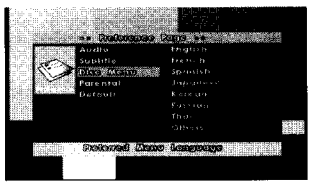
Use the subtitle language menu to select the subtitle language that you prefer.
If the disc you are playing has that language available, it will display subtitles in that.



1) Press the SETUP (SETUP) button during stop mode
2) Press the LEFT/RIGHT (◀▶) button to move to Preference.
3) Press the UP/DOWN ( ▲▼ ) button to move to Audio.
4) Press the ENTER (ENTER) button.
5) Press the UP/DOWN ( ▲▼ ) button to select desired subtitle.

### 3 DISC MENU

Use the Disc Menu option to select the language you want a DVD's disc menu to be displayed in (not the same as the player menu)



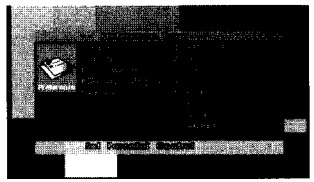
1) Press the SETUP (SETUP) button during stop mode
2) Press the LEFT/RIGHT (◀▶) button to move to Preference.
3) Press the UP/DOWN ( ▲▼ ) button to move to Sub.
4) Press the ENTER (ENTER) button.
5) Press the UP/DOWN ( ▲▼ ) button to select Disc Menu.





### 4 PARENTAL

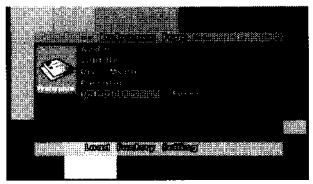
The Parental feature is a rating limit system, like movie ratings.
It works with DVD's that have been assigned a rating. This option lets you determine how your player will react to discs that contain movies that are rated (in the U.S.A., the Motion Pictures Association of America rates movies as G, PG, PG-13, etc.).
You decide which ratings require a password and which ones don't.



1) Press the SETUP (SETUP) button when stop mode
2) Press the LEFT/RIGHT (◀▶) button to move to Preference.
3) Press the UP/DOWN ( ▲▼ ) button to move to Parental.
4) Press the ENTER (ENTER) button.
5) Press the UP/DOWN ( ▲▼ ) button to select desired parental level.

### 5 DEFAULT

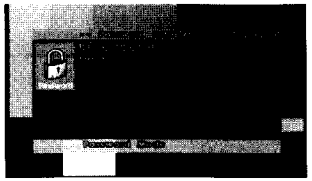
If user selects reset from the setup menu, all the value of setup menu will be initialized by factory setting value. (Exception: Parental level, Region code and Password values will not be changed)



1) Press the SETUP (SETUP) button when stop mode.
2) Press the LEFT/RIGHT (◀▶) button to move to Preference.
3) Press the UP/DOWN ( ▲▼ ) button to move to Default.
4) Press the ENTER (ENTER) button.
5) Press the ENTER (ENTER) button to select reset.

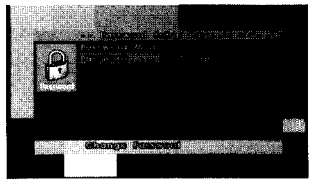
## Password Setup

1 PASSWORD MODE

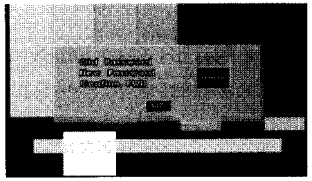


2 PASSWORD CHANGE

1) Select "Password Setup" sub item



2) Enter your old password, and new password in 4 digits.



3) Re-enter new password for confirmation then press the ENTER button.

Note

*- Do not forget the password*
*- The setting cannot be changed without inputting the correct password.*





## Specifications

| | | |
|---|---|---|
| General | System | DVD-Video/DVD-R/-RW/+R/+RW/ /CD/CD-R/RW/ MP3 files/Picture CD |
| | Power Supply | DC 12V, 1.5A |
| | Power Consumption | 1A, 12W |
| | Weight | 1,175g |
| | External Dimensions (mm) | 178.0(W) x 212.2(D) x 42.0(H) |
| | Operation Temperature | -5℃ ~ 50℃ |
| | Operation Humidity | 10~80% |
| Signal System | NTSC / PAL / MULTI | |
| Video output | Output Level | 1.0Vp-p(75ohm) |
| | Jacks | RCA Jack |
| S-Video output | Y (luminance) - Output Level | 1.0Vp-p(75ohm) |
| | C (color) - Output Level | 0.286Vp-p(75ohm) |
| | Jacks | S-Video Jack |
| Audio output | During Audio Output | 2Vrms(1kHz, 0dB) |
| | Number of Channels | 2 |
| | Jacks | RCA Jack |
| Audio Characteristic | Frequency Response | 4Hz to 44kHz(DVD fs: 96kHz) |
| | S/N Ratio | More than 85dB |
| | Dynamic Range | More than 85dB |
| | Total Harmonic Distortion | 0.08% |
| Digital Output | Coaxial Digital Output | RCA Jack |
| Accessories | Audio/Video Cable | 1 |
| ** Optional* | Remote Control | 1 |
| | 1.5V(AAA SIZE) | 2 |
| | IR Module * | 1 |
| | Cigar Cable * | 1 |
| | DC Cable * | 1 |
| | Mounting Bracket for Car * | 2 |
| | Screws * | 4 |
| | Manual, Warranty Card | 1 |

## Troubleshooting

| Symptom | Cause | Correction |
|---|---|---|
| No power | The power cord is disconnected. | Plug the power cord into the wall outlet securely |
| The power is on, but the DVD player doesn't work | No disc in inserted. | Insert a disc. (Check that the DVD or audio CD indicator in the DVD display is lit.) |
| No sound | The equipment connected with the audio cable is not set to receive DVD signal output | Select the appropriate video input mode on the TV so the picture from the DVD player appears on the TV screen. |
| | The audio cables are not connected securely. | Connect the audio cable into the jacks securely. |
| | The power to the equipment connected with the audio cable is turned off. | Turn on the equipment connected with the audio cable. |
| | The digital audio output is set in the wrong position. | Set the Digital Audio Output to the correct position, and then turn on the DVD player again by pressing the POWER button. |
| No picture | The TV is not set to receive DVD signal output. | Select the appropriate video input mode on the TV so the picture from the DVD player appears on the TV screen. |
| | The video cable is not connected securely. | Connect the video cable into the jacks securely. |
| | | Switch TV to appropriate mode using the TV mode button on the remote control. |
| | | Check if you have pressed the AUDIO ONLY button. |
| The playback picture is poor. | The disc is dirty. | Clean the disc. |
| | No disc is inserted. | Insert a disc. (Check that the DVD, or audio CD indicator in the DVD display is lit.) |
| | An unplayable disc is inserted. | Insert a playable disc. (Check that the DVD, or audio CD indicator in the DVD display is lit.) |
| | The disc is placed upside down. | Place the disc with the playback side down. |
| | The disc is not placed within the guide | Insert the disc correctly inside the guide. |
| | A menu is on the TV screen. | Press the SETUP button to turn off the menu screen. |
| | The rating level is set. | Cancel the rating function or change the rating level. |





| Symptom | Cause | Correction |
|---|---|---|
| The remote control doesn't work properly. | The remote control is not pointed at the remote sensor on the DVD player. | Point the remote control at the remote sensor of the DVD player. |
| | The remote control is too far from the DVD player. | Operate the remote control within about 23ft(about 7m). |
| | There is an obstacle in path of the remote control and the DVD player. | Remove the obstacle. |
| | The battery in the remote control is exhausted. | Replace the battery with new one. |
| The analog audio is OK, but there appears to be no digital audio signal. | Incorrect Audio menu settings. | Make sure that the Digital Out setting is set to BITSTREAM or PCM. Check that the BITSTREAM and PCM settings are suitable for your amplifier and check the amp's instruction manual. |
| The disc containing the MP3 tracks won't play | | If the disc is a recordable CD, make sure that the disc is finalised. Check that the tracks are in the MPEG1 Audio Layer 3 format. |
| Some MP3 tracks appear to be missing from a disc. | If a track name does not end in ".mp3" or ".MP3", this player will not recognise it as an MP3 track. | |

※ Designs, Accessories and specifications are subject to change without notice.